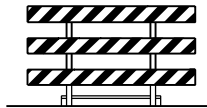




TYPE I



TYPE II



TYPE III

### BARRICADES

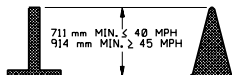
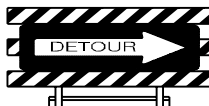
SEE NOTE 4



M4-10L or R



R11-2

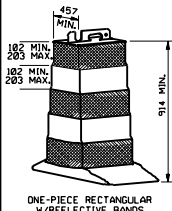


### TUBULAR MARKERS

DAYLIGHT HOURS ONLY  
SEE NOTE 5

### CONES

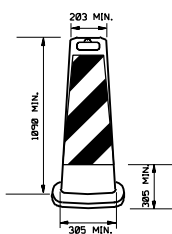
DAYLIGHT HOURS ONLY  
SEE NOTE 5



ONE-PIECE RECTANGULAR  
W/REFLECTIVE BANDS

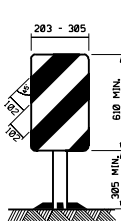


TWO-PIECE ROUND  
W/REFLECTIVE BANDS

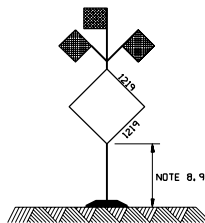


### VERTICAL PANELS

SEE NOTE 4

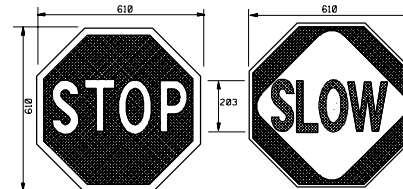
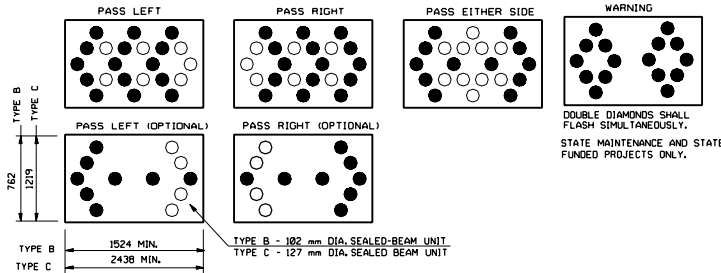


3 ORANGE OR FLUORESCENT RED-ORANGE  
FLAGS 406 x 406 MIN.



### TYP. SIGN INSTALLATION WITH FLAGS

### ADVANCE WARNING ARROW PANELS



### FLAGGER STOP/ SLOW PADDLE

### NOTES

- ALL CONSTRUCTION SIGNING AND CHANNELIZATION DEVICES USED ON THE STATE HIGHWAY SYSTEM SHALL MEET CURRENT UDOT AND MUTCD STANDARDS.
- ALL CONSTRUCTION SIGNING AND CHANNELIZATION DEVICES USED ON THE STATE HIGHWAY SYSTEM SHALL MEET NCHRP-350 CRASH TESTING REQUIREMENTS AFTER APRIL 1, 2002 CATEGORY 1 DEVICES, AS DEFINED BY FHWA, MUST BE CERTIFIED BY THE MANUFACTURER AS MEETING MEETING NCHRP-350 REQUIREMENTS. THIS NOTE DOES NOT APPLY TO ADVANCED WARNING ARROW PANELS OR TO VARIABLE MESSAGE SIGNS.
- THE BOTTOM EDGE OF THE ADVANCE WARNING ARROW PANEL SHALL BE AT LEAST 2134 mm ABOVE THE ROADWAY SURFACE.
- BARRICADES AND VERTICAL PANELS USED ON INTERSTATE AND ROADWAYS WITH SPEED POSTED GREATER THAN 45 MPH SHALL HAVE A MINIMUM OF 0.174 METERS SQUARED OF REFLECTIVE AREA FACING TRAFFIC AND THE REFLECTIVE AREA SHALL BE A MINIMUM 305 mm ABOVE THE ROADWAY.
- CONES AND TUBULAR MARKERS SHALL BE CONSTRUCTION ORANGE AND USED ONLY DURING DAYLIGHT HOURS.
- TYPE III BARRICADES SHALL BE USED FOR A ROAD CLOSURE. TYPE III BARRICADES SHALL EXTEND ACROSS THE ROAD BEING CLOSED A MINIMUM OF 1/4 ROAD WIDTH, STARTING FROM THE CENTER AND EXTENDING IN BOTH DIRECTIONS TOWARDS THE SHOULDERS. A "ROAD CLOSED" SIGN (R11-2) SHALL BE PLACED OVER THE CENTER LINE AND "DETOUR" ARROW SIGNS (M4-10L OR R) SHALL BE PLACED ON BOTH SIDES OF THE "ROAD CLOSED" SIGN IF REQUIRED. DETOUR ARROW NOT REQUIRED IF DETOUR IS NOT AT CLOSURE.
- BALLAST SHALL NOT BE PLACED HIGHER THAN 305 mm ABOVE THE GROUND OR PLACED OVER ANY REFLECTIVE FACE OR RAIL.
- 305 mm MINIMUM MOUNTING HEIGHT FOR SIGNS MOUNTED ON TEMPORARY SUPPORTS.
- FOR SIGNS PLACED AMONG CHANNELIZING DEVICES, MOUNTING HEIGHT SHALL BE A MINIMUM OF 1 m OR HIGHER TO PROVIDE SIGN VISIBILITY.
- FLAGGER STOP/SLOW PADDLE SHALL BE A MINIMUM OF 610 mm x 610 mm.
- PORTABLE SIGN SHALL HAVE TWO ORANGE STRIPS OF REFLECTIVE SHEETING, 102 mm x 610 mm PLACED VERTICALLY ON BACK OF SIGN, 305 mm FROM EDGE OF LEFT AND RIGHT CORNERS. THE SHEETING SHALL BE OF THE SAME COLOR AND GRADE AS USED ON THE FRONT OF SIGN.

		( METRIC )			
STD. DWG. NO.		745-1			
CONSTRUCTION SIGNING CHANNELIZATION DEVICES					
UTAH DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION SALT LAKE CITY, UTAH					
RECOMMENDED FOR APPROVAL				SEP. 11, 2001	
CHAIRMAN STANDARDS COMMITTEE				DATE	
APPROVED				SEP. 10, 2001	
DATE				DATE	
DEPUTY DIRECTOR				NO. DATE	
				REMARKS	
		REVISIONS			
1	06/16/99	G.S.	MADE LETTER SIZE IN FLANGER MATCH THE SAME		
2	06/23/99	G.S.	ADDED NOTE NUMBER 1, ENLARGED ALL OTHER NOTES AND		
3	11/09/00	G.S.	REVISED NOTE 4, ADDED VERTICAL PANEL, AND REVISED		
4	04/02/01	GFS	REMOVED NOTE 2, CORRECTED SPELLING NOTE 6		
5	06/20/01	GFS	REVISED NOTE 4, ADDED VERTICAL PANEL, DETAIL AND		
6			REVISED NOTE 4, ADDED VERTICAL PANEL, DETAIL AND		